Digital Satellite Receiver Dualstream BOX

Ref : 441360

Twin tuner

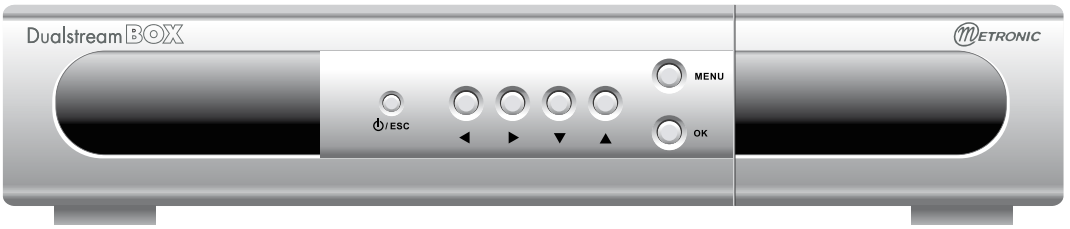
4000 channels

Parental lock

2 scarts

Wide screen ready

DiSEqC 1.0



MET628

METRONIC

CAUTION

Your receiver has ventilation slots. These slots must not be obstructed, even partially, in order to ensure proper ventilation. The lifetime of your device depends on these factors. The device may not be exposed to dripping or splashing and no object filled with liquid, such as vases, must be put on the device. Installation in premises which are confined or subject to temperature or dampness changes (sheds, attics, cellars, tiny rooms, dry risers etc.) may cause an overheating of the device or a premature ageing resulting in failures that are not covered by the guarantee.

Never open the receiver even when it is not connected, because it contains electrical components, which can be dangerous for you. In general, electrical appliances are not earthed, so you can get electrical discharges (which are not risky), while implementing the connections. Our advice is to connect the equipment after all the sockets connections have been made.

To clean the receiver or its remote control, do not use any solvent or detergent. Use only a dry cloth for dust or slightly dampened with water for the front panel. Always carry out this operation after having disconnected the receiver from the mains.

For your own safety :
Never open the device. It contains no item that can be serviced by the user. If you open it, make some changes on circuits or connections of non-compliant equipment it will cancel the guarantee. If necessary, please return the receiver, for service, only to the point of sale.

In order to reduce the risks of fire, electrocution or damage caused to another equipment or someone, do not expose the device to dampness, bad weather, dust, sand, sun, cold or high temperature. You must use the device between 0°C to 40°C; 32°F to 104°F. Place your receiver in a dry place, safe from dust. It is not designed for outdoor use.

The remote control needs two AAA 1.5V batteries. Check the polarity before fitting them into the remote control. Do not throw your used battery in the bin, take them to your local store where special containers are provided to recycle them.

The installation and the use of the receiver are based on pre-programmed channels. In the event of problem on a channel, get a specialised magazine to find out if this channel is still broadcasting in Free To Air. For your information, the operators frequently change the channel’s characteristics without notice.

You can completely use your receiver for a normal use, allowing to run just one cable between the dish and the receiver. However, in order to take advantage of twin tuner, it is imperative that the dish is provided with twin LNB (two outputs) and run two cables.

The first time you switch your DualstreamBOX on, your are prompted to enter the desired language for **On Screen Display**. This language selection window is also shown after resetting the unit (factory settings).

Altering the settings of the receiver requires to go through the menus. For an easy reading of this User Guide we have shortened the operations as : MENU / **menu / sub-menu**.
For example, when you read :

• Go to MENU / **Installation menu** / **Antenna installation**,

You will have to :
- Press on **NORMAL MENU** to go to the main menu.
- Press on ▸ key to highlight the **Installation menu**.
- Press on OK to select this menu.
- Press on ▾ key to highlight the sub-menu **Antenna installation**.
- Press OK to select.

• Sometimes, you will have to choose between two proposals. So, use keys ▴ ▾ to select your choice in yellow, then press OK to select.

⚠ You will notice that the words in bold letters in this user manual are those which appear on the screen of your television.



This symbol indicates that the product must not be treated as household waste. The harmfull substances possibly contained in the equipment may have negative consequences on the environment and / or the human health. At the end of its life, bring any electronic equipment back to your retailer or at the collection point that your city or town puts at your disposal.

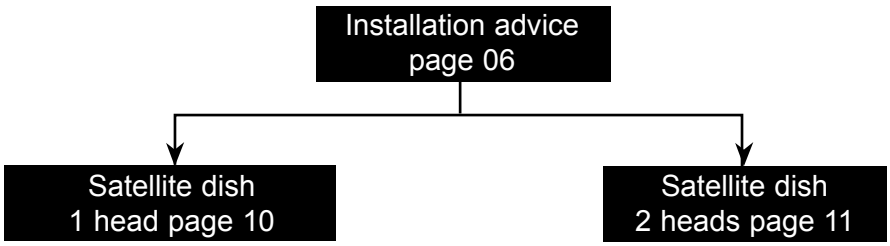
SOMMAIRE

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Installation shortcut :

Purchase of the receiver alone → page 13
(your satellite dish is already aligned)

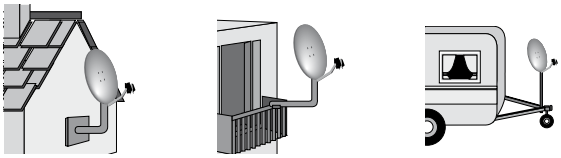
Purchase of the receiver + satellite dish :



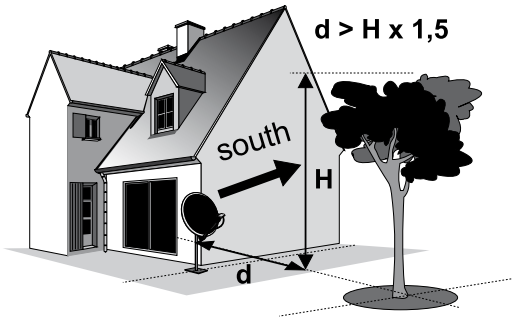
1 - Installation advice

A - Choice of the location and satellite dish assembling

Whatever your choice of installation, your fixing must be stable and vertical.



In the event of an obstacle, respect the rule of distances explained below.

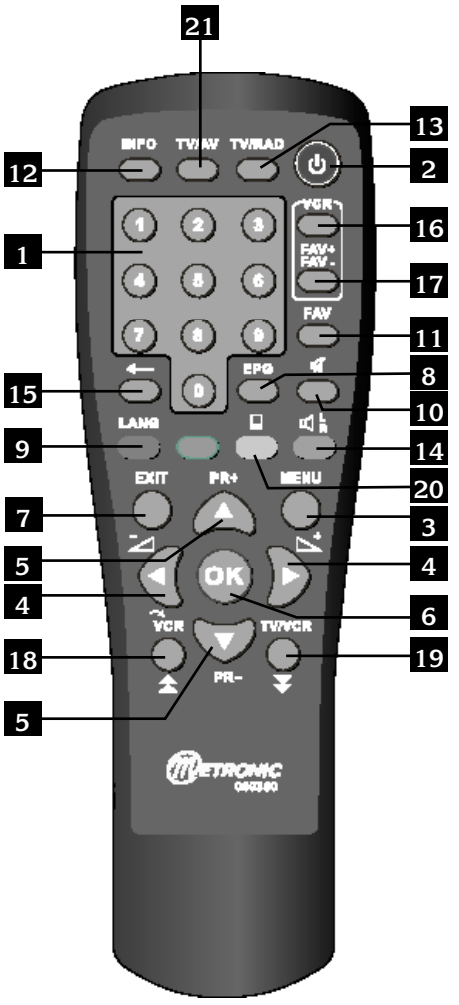


Eg : if the dish is 3 meters above the ground, and a 7m high tree might hide the satellite, the tree must be at least 6m far from the dish (7-3=4, 4x1,5=6).

For the satellite dish assembly, look at the assembly sheet provided with the satellite dish.

CAUTION : Please handle the satellite dish with caution because its fringes may be sharp.

6 - Remote control description



1 Digital keys. In viewing mode, press these keys to change channel by pressing the number of the channel you want to watch. In the programming mode, these keys are used to enter the digital values.

2 Touch ON / OFF. Allows switching on or switching off and putting the terminal in standby.

3 MENU Key. Press this key to enter in the main menu or to leave the main menu.

4 ◂ VOL ▸ keys. In viewing mode, press VOL key to adjust the volume. In programming mode, this key is used to alter the value of a setting.

5 ▾ PR ▴ keys. In viewing mode press these keys to change channels. In the menus, press these keys to highlight the next or the previous item.

6 OK Key. In viewing mode, gives access to the channel list. Validation in the menus.

7 EXIT Key. Press this key to exit all menus and come back in viewing mode.

8 EPG Key (Electronic Program Guide). If broadcast by the operator, shows information about the current program and the following program. Press OK to select the program you want to watch.

9 LANG(uage) key. If more than one audio language is being broadcast, this key allows you to show all the available languages.

10 «MUTE» key. A first press mutes the receiver. A second press returns in normal mode.

11 FAV key. To access your favorite channels.

12 INFO key. Display information about the channel you are currently watching.

13 TV/RAD key. To switch between TV mode and **Radio mode**.

14 AUDIO key. To select the **Stereo**, **mono right**, **mono left** mode. Excepted for some very specific channels, always keep **Stereo**.

15 BACK key. To view the channel you previously watched.

16 VCR / FAV+ Key. To give access to the following channel of the group **Favorite 1** on the VCR scart (see paragraph «Use with video sender» page 21)

17 VCR / FAV- key. Same as key 16, but gives access to the last channel.

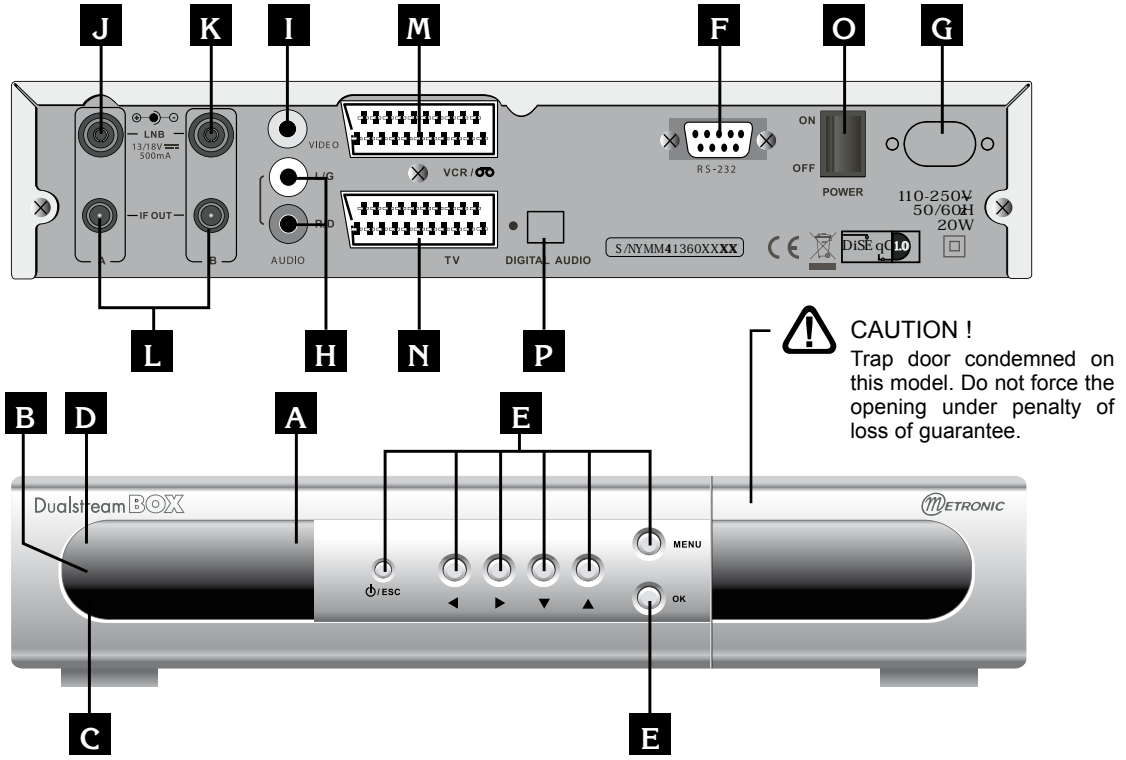
18 --> VCR key. To send the channel you are watching to your VCR. It is also used to go up of a page in the long list.

19 TV / VCR key. To watch on the TV the image which is sent to the VCR (SLAVE mode). A second press returns in normal mode (MASTER mode). It is also used to run of a page in the long list.

20 Teletext key (activate if diffused magazine).

21 TV/AV key. A first press slacken the TV switch, so you can watch a channel of the aerial. A second press force with VCR input.

7 - Description of front and rear panel

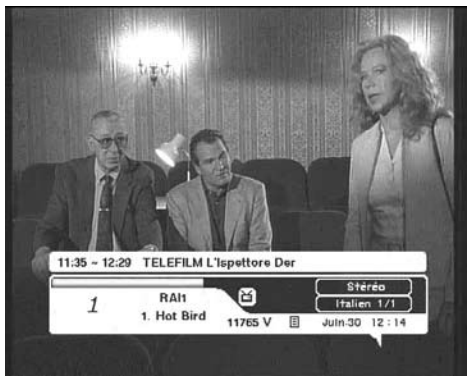


- **A** Infrared receiver (detects the remote control infrared signal).
- **B** Signal indicator. Switch on if the receiver is good.
- **C** ON LED. Green when the unit is operating.
- **D** Connect LED. Ignite when the receiver was connected, and the switch ON.
- **E** Same as key 2,3,4,5 and 6 of the remote controler.
- **F** RS232 connector for service only.
- **G** Mains lead.
- **H** Left and right audio outlets to enjoy digital sound with your Hi-Fi gear.
- **I** Video output.
- **J** LNB entry A (for the TV).
- **K** LNB output B (for the VCR).
- **L** Ouputs for a possible connection to a receiver downstream (seldom used)
- **M** Input / Output VCR scart. When you play a cassette, the VCR takes over automatically on the receiver.
- **N** TV scart socket. To connect the receiver to the television.
- **O** Master switch. No consumption if position OFF.
- **P** Digital audio outlets. To connect to your Home-theater.

8 - Day to day operation

Unless you want to alter the settings, you will use only the following keys whose function is described in the preceding paragraph :

- Keys ◂ ▸ to adjust the sound volume.
- Keys ▲ ▼ to change channels.
- Key to switch off and switch on the sound.
- Digital Keys to go directly to a channel.
- EPG Key to display current and following program information.
- OK to display the channel list.
- TV/RAD key to change from TV mode to RADIO mode.



With each change of channels, a banner post various informations : number and name of the channel, title of the program in progress, frequency and polarity,... If the language is follow by 1/1, that means that there is only one language on this program in progress. If 1/2 is displayed, that means that an another language is available, you can acess to this language with the LANG key. It is the same for channels diffusing one way Dolby Digital (AC3) that will be decoded by your Home-theater decoder-amplifier.

9 - Access to a channel

In viewing mode, ▲ ▼ keys allow me to change some channels among the list of the pre-programmed channels. You can also reach directly a channel by entering its number. Pressing on the OK key makes the TV channel list appear, highlight then the channel you want to watch with the Up and Down arrow or Page Up / Page Down keys, and press OK to view the channel.

10 - Adding channels

You can either add a particular channel if you know its parameters (frequency, polarity, SR), or you add a new unknown channel (update).

A - Manual search

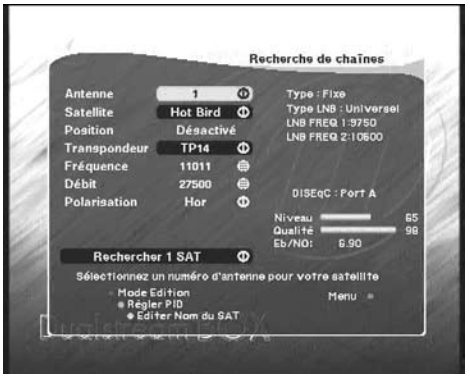
A channel is transmitted by what we call a transponder. It is a relay satellite of which should known the 4 following parameters:

- Its frequency (e.g. 12551 MHz).
- Its debit of symbol SR (e.g. 22000)
- Its polarity (e.g. Vertical)
- The satellite from which it is transmitted (e.g. Astra 28.2).

You will find these parameters in specialised magazines, which provide a monthly update, or on dedicated websites (www.satcodx.com, www.lyngsat.com,…).

- Go to MENU / **Installation / Channel search.**
- On the line **Antenna**, select (if necessay) with ◂ ▸ keys, the number which displays the good satellite on the following line.
- On the line **Transponder**, select with the ▲ ▼ keys the transponder which displays good parameters on the following lines.

@ If no transponder displays good values, select the last one, and press on the red key. Then, you will be able to enter manually the characteristics of the new transponder.





, Go down on the line from bottom and select **TP search**.
- Select OK to launch research.
- A windows opens, listing the new channels found.
- Select **Visualize** to exit and see the founding channels or select EXIT to go to the previous menu.

B - Automatic channel search

- Go to MENU / **Installation / Channel search.**
- On the line **Antenna**, select with ◂ ▸ keys the number which displays the good satellite on the following line (eg. 1 for Hotbird).
- Press on the ▲ key to select the research mode.
- With ▸ key, select **1 Satellite search** and press OK.
- A windows opens, listing the new channels found.
- Select **Visualize** to exit and see the founding channels or select EXIT to go to the previous menu.

C - Deletion of a transponder

- Go to MENU / **Installation / Channel search.**
- On the line **Antenna**, select (if necessary) with ◂ ▸ keys the number which displays the good satellite on the following line (eg. 1 for Hotbird).
- On the line Transponder, select with ◂ ▸ keys the transponder to delete.
- Press on the MENU key.
- Select **Delete Tp** and select YES.

@ Delete a transponder speeds automatic research.

D - Add channels of a new satellite

- Go to MENU / **Installation / Channel search.**
- On the line **Antenna**, press ▸ key until the line **Satellite** displays **New sat** (satellite # 10 the first time)
- Go down on the **Satellite** line and press on the yellow key to edit the name of the satellite (select letters one by one, while validating by the OK key, select OK to finish your edition).
- Go down on the line **Transponder** and press the red key to edit parameters of the transponder.
- On the line **Frequency**, enters the 5 numbers of the frequency.
- On the line **Flow**, enters the 5 numbers of the flow (SR).
- On the line **Polarization**, select **Hor** ou **Ver** with ◂ ▸ keys. Now, the level and the quality of the signal must appear. If not, leave the menu in the state and align the dish (see the paragraph B page 10).
- Once the signal displays the good level and the good quality (at least 50%), select **TP search** in the bottom of the screen and select OK.
- A windows opens, listing the new channels found.
- Select **Visualize** to exit and see the founding channels or select EXIT to go to the previous menu.

11 - Modify, Organize and manage channels

For the TV list, as well as for the Radio list, you can move, delete rename or lock any channel. A locked channels requires the entry of a secret code to be viewed.

These operations are done from MENU / **Channels Manager / TV channels.**



A - Delete one or several channels

- Press the red key (LANG), the stringcourse in the top of the window posts **Delete channel**.
- Select one by one with ▲▼ keys, the channels you want to delete and press OK each time.
- Press EXIT when you have finished the selection.
- Press OK to confirm.

@ Once you have pressed on the red key, you can press again on the red key to delete all channels of the transponder (**Delete Tp**), all channels of the satellite (**Delete satellite**) or all channels in memory (**Delete all**).

B - Move a channel

- Press on the yellow key, the stringcourse in the top of the window displays **Move**.
- Select with ▲▼ keys, the channel you want to move and select OK, his number is replaced by the arrows.
- Always with ▲▼ keys, select the new site and select OK.
- Press EXIT when you have finish your selection.

C - Rename a channel

- Press MENU key, the stringcourse in the top of the window displays **Rename**.
- Select with ▲▼ keys, the channel you want to rename and select OK, the keyboard opens.
- Select one by one letters, and select OK to validate, press OK to finish your edition.
- Press EXIT.

D - Lock a channel

- Press blue key, and enter your secret code (factory settings «oooo»), the stringcourse in the top of the window displays **Lock.**
- Select with ▲▼ keys, the channel you want to lock and select OK, a lock appears after the channel name.
- You can lock others channels same way.
- Press EXIT when you have finish your selection.

D - Favourite channels

- Select with ▲▼ keys, the channel you want to put in favorite list.
- Press OK to put the channel in the group **Favorite 1**.
- Press green key if you want to change group FAV (**Favorite 2** or **Favorite 3**) .
- Press EXIT when you have finish your selection.

@ Henceforth, to visualize a favorite channel, press FAV key one or several times to select his group FAV and select channel with ▲▼ keys and OK key.

@ Press MENU key if you want to rename group FAV and select **Rename favorite list**.

E - Sort channels

- Press MENU key and select **Sort**. Then, you can choose between different available sorts.

12 - Miscellaneous settings

A - Language selection

If you want to change the language of the menus :
- Press MENU.
- Select the fourth menu and the third sub menu (**Installation menu**).
- Press ▸ key until the language is appropriate to you.
- Press EXIT.

B - TV scart settings

- In the MENU / **Installation / System installation**, you can adjust the video signal that comes out of the TV scart.
- On the line **Screen format**, you must select the size of your TV set : **4:3** or **16:9**. Attention, select 16:9 only if you have a widescreen TV. This setting is related to the TV set, not the program you're watching.
- On the line **Video Output**, you can choose between **CVBS** or **RGB**. CVBS is universal mode that works with all TV sets, but RGB gives better picture. If you select RGB, the CVBS output is disabled, so you can't use, for example, a video sender on the video cinch (RCA) output.
- On the line **TV type**, leave AUTO. You can, if you want, force the output to **PAL** or **NTSC** if your TV set has special requirements.
- Press EXIT to exit all the menu.

C - Time settings

- Go to MENU / **Time / Time settings**, you can adjust the video signal that comes out of the TV scart.
- On the line **Local shift**, select the correct value. In UK, GMT in winter time, and GMT +1 in summer time.
- On the line **Time**, you can select YES if you want the receiver posts the time on the front panel when the receiver is in standby. Caution, time is usually updating by analyzing the data sent by channels. These data being able to be erroneous, we decline any responsibility in the event of inaccuracy of the hour indicated by the receiver.

13 - Resetting the receiver

This operation resets the memory, including all settings, as the channel list.

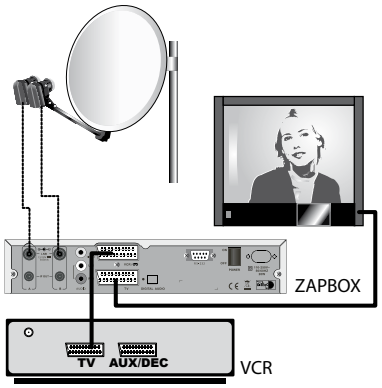
⚠ **Beware, all the modifications you carried out will be lost.**

To reset the receiver, do the followings :

- Go to the MENU / **Installation** / **Complete resetting.**
- Confirm with OK.
- The receiver ask you the language as the first lighting.

14 - Connection and use with a VCR

Concerning the connections, simply connect the TV to the TV scart and your VCR (DVD engraver) to the VCR scart.



To record a satellite channel :

- Visualize on your TV the channel you want to record.
- Press --> VCR key (18) on the left bottom of the remote control.

From your VCR, launch the recording on the AV channel (or EXT, or AUX...).

@ (See paragraph 16 to differ record).

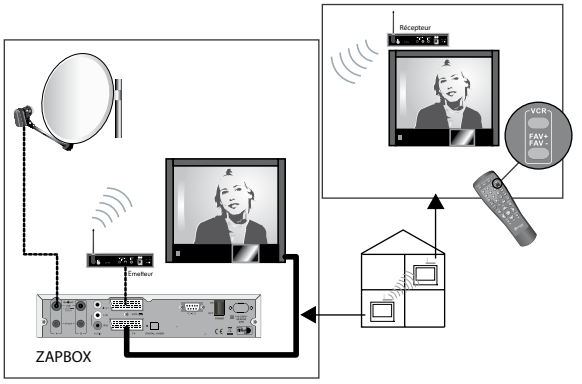
To read a VCR recording :

Simply launch the playing, the VCR will take the hand on. If not, press TV/VCR key of the VCR remote control. If that is not enough, press two times on the TV/AV key of your DualstreamBOX remote control (the display indicates VCr).

15 - Use with a video sender

Your DualstreamBOX receiver is conceived for that you can connect a video sender on the VCR scart, and thus to take advantage of the digital satellite images with two TV at the same time and independently.

Once the channel is choosen for the main TV, you can take the remote control for the other TV (in the room for example) and change channel with FAV+ and FAV- key. It is necessary to have previously, filled the group **Favorite 1** with channels that you want to be available in the room.
Obviously in this case, the user of the main TV cannot change anymore the channels but with front panel keys, or having an additionnal universal remote control.



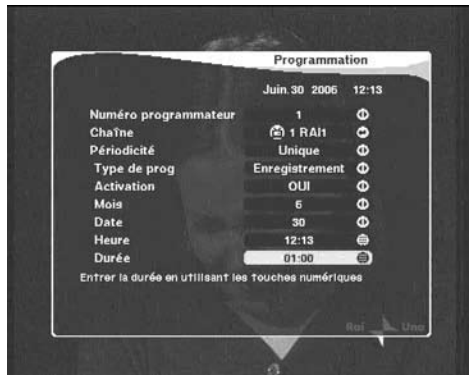
16 - Timer

The timer is a tool that allows the receiver to switch ON on a specific channel at a programmed time, for scheduled recordings. Caution, the wake up of the digital satellite receiver doesn't launch the recording on the VCR. **Don't forget to program a timer on your VCR too !**
Important notice : some TV set will wake up automatically when the satellite receiver will wake up. In order to avoid this, simply switch off the TV with the manual switch generally located on the front panel.

To program a recording :

- Go to MENU / **Time / Programming**
- On the line **Programmer number,** leave 1 if it is your first programming, or choose the first free timer if you have programmed timer.
- On the line **Channel,** press OK to display channel list and select the channel you want to record.
- On the line **Periodicity**, leave **Single** for a single recording. Select **Every day** for a daily recording per same hour, **Every Week** for recording every monday at 20.50 for example, or **Monthly** for recording every month.
- On the line **Programming type**, select **Recording.** You can choose a single **Lighting** or a single **Extinction**.
- On the line **Activation**, select **YES.**
- Enter the date on the lines **Day** and **Month**, as well as the lighting time, and the duration of recording**.**
- Press several times on EXIT key to save and exit.

⚠ Also program your VCR.



17 - Troubleshooting

• The screen displays « BAD OR NO SIGNAL».

Two causes :
1. The channel you wish to watch has disappeared from the transponder. Get a specialised magazine to know if the parameters of these channels have changed or if it has disappeared.
2. The motor is moving, wait until it has reached its final position.

• On one or more channels, the screen is black.

The channel you want to watch is probably scrambled. For your information, an operator can broadcast a scrambled channel with information that lets believe the receiver that the channel is free. The opposite situation is also possible.



Caution : A channel can be free for a certain period in the day, and pay-TV in other periods.

• The terminal asks me a PIN code to watch a channel.

Enter 0000 if you did not input any PIN code. If you input a PIN code, but you forgot it, contact the hotline.

• I do not manage to record.

Ensure to have well programmed well the AV, AUX, or EXT input of your VCR.
Ensure the good channel has been sent to the VCR while checking
with TV/VCR key.
Ensure to well use a twin LNB and run two cables.

• The remote control does not react any more

Check batteries.
Press TV/AV if the display indicates TU or UCr .
Press TV/VCR if the display indicates SLA .

ASSISTANCE AND ADVICE

You will find in the following pages, the channel parameters which we programmed in the receiver. This programming was established according to information's, which are at our disposal to date, and according to programs which are broadcast to date. The operators responsible for the television broadcasts by satellites sometimes change without notice the frequencies and the transponders, we cannot unfortunately guarantee you the exactitude of these programming in time, please accept our apologies on this matter. You will be able to update these parameters if you follow the instructions on page 16. In spite of the care that we brought to the design of our products and the realization of this user manual, you may have encountered problems.
Please do not hesitate to contact us, our specialists are at your disposal to advise you :



hotline@metronic.com

IMPORTANT : in the object of your message, make sure the word METRONIC appears.

Technical Assistance France : 0033(0) 892 350 315
Monday to friday, from 9:00 to 12:00 am and from 2:00 to 7:00 pm (french hour).

• Hardware ref. : DualstreamBOX

CERTIFICATE OF GUARANTEE

The DualstreamBOX receiver is guaranteed one year parts and labour. In the event of a breakdown, the transport charges outward are the customer responsibility, the costs carriage back is our responsibility.
To be valid, the certificate of guarantee must be dully filled and send back with the invoice photocopy or the sales slip.

Hardware ref.: DualstreamBOX

Date of purchase: _____ Serial number : _____

METRONIC - Node Park Touraine - BP 1 - Tauxigny - 37310 REIGNAC CEDEX
Fax : 02 47 346 347 • www.metronic.com

#	Name	Freq	Pol	SR
HotBird ----------				
1	RAI1	11765	V	27500
2	RAI2	11765	V	27500
3	RAI3	11765	V	27500
4	RaiMed	11765	V	27500
5	Rai Edu1	11804	V	27500
6	RaiEdu2	11765	V	27500
7	Senato	11765	V	27500
8	RaiUtile	11765	V	27500
9	RaiNotizie24	11804	V	27500
10	Camera Deputa	11804	V	27500
11	RaiSportSat	11804	V	27500
12	RaiNettunoSat	11804	V	27500
13	RaiNettunoSat	11804	V	27500
14	Rai Doc-Futur	11804	V	27500
15	Italia 1	11919	V	27500
16	Retequattro	11919	V	27500
17	Canale 5	11919	V	27500
18	TVE Internaci	11784	H	27500
19	Canal 24 Hora	11784	H	27500
20	Real Madrid T	11784	H	27500
21	LoveWorld	11784	H	27500
22	Words of Peac	11784	H	27500
23	VIP.TV	11784	H	27500
24	TV BIZNES	10717	V	27500
25	4fun.TV	10717	V	27500
26	RTPi	10721	H	29900
27	MTA INTL	10721	H	29900
28	MI-TV	10851	H	27500
29	BANDIAGARA	10909	V	27500
30	Météo Express	10909	V	27500
31	Mediatel	10947	V	27500
32	Noursat	10947	V	27500
33	Adjara TV	10947	V	27500
34	ANB	10947	V	27500
35	Al Hiwar TV	10947	V	27500
36	DMC TV	10947	V	27500
37	Prime TV Euro	10947	V	27500
38	Tapesh 2	10947	V	27500
39	Al Forat	10947	V	27500
40	TRT-INT	10969	H	27500
41	Music Box Rus	10969	H	27500
42	The Word Netw	10969	H	27500
43	MRTV / Univ T	10969	H	27500
44	balkanmedia.t	10969	H	27500
45	VenetoSat	10969	H	27500
46	3 Channel	10969	H	27500
47	Telenova	10969	H	27500
48	NTD TV	10969	H	27500
49	Russia Today	10969	H	27500
50	GOD TV	10969	H	27500
51	Wind int. tv	10969	H	27500
52	Red Light Ita	10969	H	27500
53	Suryoyo Sat	10969	H	27500
54	TR CHANNEL	10969	H	27500
55	CGN	11011	H	27500
56	Gospel Channe	11011	H	27500
57	Telecolore	11011	H	27500
58	Retecapri	11011	H	27500
59	TIZIANA SAT	11011	H	27500
60	RTVi NASHE KI	11011	H	27500

#	Name	Freq	Pol	SR
61	RTVi DETSKY M	11011	H	27500
62	Mobila TV	11011	H	27500
63	ISLAMIC MARRI	11011	H	27500
64	QURAN TV	11011	H	27500
65	DEMAIN	11031	V	27500
66	CCTV9	11031	V	27500
67	RTR	11031	V	27500
68	EURONEWS FRAN	11031	V	27500
69	TFJ	11031	V	27500
70	Al Jazeera In	11031	V	27500
71	RTL Televisio	11051	H	27500
72	VOX CH	11051	H	27500
73	RTL CH	11051	H	27500
74	DAS VIERTE	11051	H	27500
75	ZDF	11051	H	27500
76	VIVA Polska	11073	V	27500
77	MTV Austria	11073	V	27500
78	Nickelodeon E	11073	V	27500
79	Beur TV	11135	H	27500
80	TV5 FBS	11135	H	27500
81	TV5 EUROPE	11135	H	27500
82	Roma Uno	11135	H	27500
83	ANN	11135	H	27500
84	Kurdistan Tv	11135	H	27500
85	Videolina	11135	H	27500
86	RTB	11135	H	27500
87	starMarket	11135	H	27500
88	Polsat2	11156	V	27500
89	Zdrowie i Uro	11156	V	27500
90	TV Puls	11156	V	27500
91	Nostradamus	11177	H	27500
92	Napoli Nova	11177	H	27500
93	TV Moda	11177	H	27500
94	Al Hayat	11177	H	27500
95	Studio Europa	11177	H	27500
96	IT NEL MONDO	11177	H	27500
97	Denaro TV	11177	H	27500
98	NEW TELEVISIO	11177	H	27500
99	GBR	11177	H	27500
100	Canale Italia	11177	H	27500
101	Telemarket	11177	H	27500
102	Telenord	11197	V	27500
103	Sat9	11197	V	27500
104	ELITE SHOPPIN	11197	V	27500
105	NETH SRI LANK	11197	V	27500
106	MELLI TV-MTC	11197	V	27500
107	Made In Italy	11197	V	27500
108	ODEON SAT	11197	V	27500
109	MagicTV	11197	V	27500
110	Sat8	11197	V	27500
111	TLC SAT	11197	V	27500
112	STARSAT	11197	V	27500
113	Italia.TV Ch	11197	V	27500
114	PLAY TV ITALI	11197	V	27500
115	Family Life T	11197	V	27500
116	Varese Sat	11197	V	27500
117	D'ANNA SAT	11197	V	27500
118	EBC.1	11197	V	27500
119	Telelombardia	11238	V	27500
120	TV8 Mt Blanc	11238	V	27500
121	World Fashion	11238	V	27500
122	BETHEL TV	11238	V	27500

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#	Name	Freq	Pol	SR
123	NT1	11678	H	27500
124	BFM TV	11583	V	27500
125	ARTE	11621	V	27500
126	Direct 8	11238	V	27500
127	EDUSAT	11276	V	27500
128	ALL TV	11294	H	27500
129	ITALY & ITALY	11294	H	27500
130	Rete Oro	11294	H	27500
131	Lazio Ch	11294	H	27500
132	Napoli Mia	11294	H	27500
133	Mediterraneo	11294	H	27500
134	Challenger Tv	11294	H	27500
135	Radio Italia	11294	H	27500
136	TVA Vicenza	11294	H	27500
137	Punto Sat	11294	H	27500
138	Telemodena Sa	11294	H	27500
139	julie	11294	H	27500
140	EuroPlus	11294	H	27500
141	LA 9	11294	H	27500
142	SKY Assist	11353	V	27500
143	Sky Assist	11353	V	27500
144	Prima TV	11370	H	27500
145	Mango 24	11391	V	27500
146	TVN Gra	11391	V	27500
147	TV POLONIA	11485	H	27500
148	Tele5	11485	H	27500
149	Polonia 1	11485	H	27500
150	ITV	11485	H	27500
151	TVP Kultura	11485	H	27500
152	TBN EURO	11563	H	27500
153	TBNEspain	11563	H	27500
154	TBN ITALIA	11563	H	27500
155	Church Channe	11563	H	27500
156	JCTV	11563	H	27500
157	EL SHAFAA	11563	H	27500
158	TBN RUSSIA	11563	H	27500
159	Smile of a Ch	11563	H	27500
160	Inspiration	11563	H	27500
161	DAYSTAR	11563	H	27500
162	RTS SAT	11583	V	27500
163	Holyday in Gr	11583	V	27500
164	MAHARISHI	11583	V	27500
165	BET NAHRAIN	11583	V	27500
166	Homa	11583	V	27500
167	EWTN	11583	V	27500
168	PODROZE	11583	V	27500
169	SPIRIT CHANNE	11583	V	27500
170	Iran Music	11602	H	27500
171	Tele A	11602	H	27500
172	Italiamia	11602	H	27500
173	TLA	11602	H	27500
174	ARD «Das Erst	11602	H	27500
175	DW-TV	11602	H	27500
176	RTL 2 CH	11602	H	27500
177	Super RTL CH	11602	H	27500
178	123 Sat / 69	11621	V	27500
179	RTL 102.5 TV	11621	V	27500
180	Best of Shopp	11621	V	27500
181	ITALIA CHANNE	11621	V	27500
182	TV ROMANIA	11621	V	27500
183	Telegenova	11621	V	27500
184	K+	11621	V	27500
185	Bloomberg Eur	11640	H	27500
186	Bloomberg Ger	11640	H	27500
187	Bloomberg Eng	11640	H	27500
188	Miracle TV	11640	H	27500
189	ERTSAT Europe	11640	H	27500
190	HELLAS-HDTV	11640	H	27500
191	Zagros Tv	11727	V	27500
192	TRSP	11727	V	27500
193	La Locale	11727	V	27500
194	ATN Bangla	11727	V	27500
195	Telefortune	11727	V	27500
196	N-Test	11727	V	27500
197	Iran TV	11727	V	27500
198	Channel 1	11727	V	27500
199	Sardegna Uno	11727	V	27500
200	CEEITV	11727	V	27500
201	IPN TV	11727	V	27500
202	Sicilia Inter	11727	V	27500
203	Dubai TV.	11746	H	27500
204	Dubai Sports	11746	H	27500
205	Sama Dubai	11746	H	27500
206	AL-AQARIYA	11746	H	27500
207	AL FAYHAA TV	11746	H	27500
208	PMC	11746	H	27500
209	SHARQIYA	11746	H	27500
210	INFINITY	11746	H	27500
211	AL ARABIYA	11746	H	27500
212	MUSIC NATION	11746	H	27500
213	MBC Maghreb A	11746	H	27500
214	CCTV9	11804	V	27500
215	SAT2000	11804	V	27500
216	Nova Promo	11938	H	27500
217	IQRAA - ARABE	12014	H	27500
218	Akazoo Greece	12091	H	27500
219	Ceramicanda	12110	V	27500
220	AL JAZEERA	12110	V	27500
221	Sicilia Chann	12110	V	27500
222	UNOSAT	12110	V	27500
223	Telemarket 2	12110	V	27500
224	Radio Radio T	12110	V	27500
225	MediterraneoS	12110	V	27500
226	GAY.TV	12110	V	27500
227	Puglia Channe	12110	V	27500
228	m2	12144	H	3333
229	DunaTV	12149	V	27500
230	TV7 Tunis	12149	V	27500
231	Khabar TV	12149	V	27500
232	LIDER TV AZE	12149	V	27500
233	Nessuno TV	12149	V	27500
234	Cinque Stelle	12149	V	27500
235	CCTV4	12168	H	27500
236	Âïõë_	12168	H	27500
237	Music Box Ita	12206	H	27500
238	Fashion TV	12206	H	27500
239	F men	12206	H	27500
240	3ABN	12206	H	27500
241	CH 3 Arabic I	12206	H	27500
242	VTV4	12206	H	27500
243	CNL	12206	H	27500
244	Rojhelat	12206	H	27500
245	BK TV Sat	12206	H	27500
246	Thai Global N	12206	H	27500

#	Name	Freq	Pol	SR
247	TCT	12206	H	27500
248	Arirang TV	12206	H	27500
249	KURDsat	12206	H	27500
250	VOA TV 1 (HB1	12225	V	27500
251	IBB OS Downlo	12225	V	27500
252	Coming Soon	12245	H	27500
253	E'TV EMILIA R	12245	H	27500
254	HOLY GOD	12245	H	27500
255	ASTRO CENTER	12245	H	27500
256	DZRS	12302	V	27500
257	BVN-TV	12302	V	27500
258	NAPOLI INT.	12302	V	27500
259	COUNTDOWN	12302	V	27500
260	TV SLJEME	12302	V	27500
261	DANCE TV	12302	V	27500
262	ITALIAN MUSIC	12302	V	27500
263	BIO TV	12302	V	27500
264	OASI.TV	12302	V	27500
265	Mohabat TV	12360	H	27500
266	MLive	12360	H	27500
267	Syria Satelli	12379	V	27500
268	SAT 7	12379	V	27500
269	Abu Dhabi TV	12379	V	27500
270	Al-Baghdadiya	12379	V	27500
271	RTV Montenegr	12379	V	27500
272	Yemen TV	12379	V	27500
273	SFi	12398	H	27500
274	Sportitalia	12417	V	27500
275	IRIB1 PER	12436	H	27500
276	IRIB1 ENG	12436	H	27500
277	IRIB2 PER	12436	H	27500
278	IRIB2 ENG	12436	H	27500
279	IRINN	12436	H	27500
280	IRIB QURAN	12436	H	27500
281	SAHAR	12436	H	27500
282	AL-ALAM	12436	H	27500
283	ALKAWTHAR	12436	H	27500
284	EbS	12475	H	27500
285	Komala TV	12475	H	27500
286	ROJ	12475	H	27500
287	2M MAROC	12475	H	27500
288	MEZOPOTAMIA	12475	H	27500
289	Canal Algerie	12538	H	27500
290	A3	12538	H	27500
291	Bulgaria TV	12538	H	27500
292	PTV	12538	H	27500
293	Nile TV Inter	12538	H	27500
294	Nile News	12538	H	27500
295	MEDIOLANUM	12538	H	27500
296	CNES DEMO	12558	V	27500
297	administra.it	12558	V	27500
298	Children's Ch	12558	V	27500
299	24ore.tv	12558	V	27500
300	T R Padre Pio	12558	V	27500
301	TELESUD	12577	H	27500
302	Hope Channel	12577	H	27500
303	LibertyTV FR	12577	H	27500
304	ARM 1	12577	H	27500
305	LibertyTV NL	12577	H	27500
306	Planeta Sport	12596	V	27500
307	KTO	12596	V	27500
308	BBC World	12596	V	27500

#	Name	Freq	Pol	SR
309	Channel 1 Rus	12596	V	27500
310	EuroNews	12596	V	27500
311	SHARJAH TV	12653	H	27500
312	QATAR TV	12653	H	27500
313	SAUDI 1	12653	H	27500
314	KUWAIT	12653	H	27500
315	LIBYA	12653	H	27500
316	SUDAN	12653	H	27500
317	OMAN	12653	H	27500
318	ESC	12653	H	27500
319	AL IRAQIA	12653	H	27500
320	PALESTINE	12653	H	27500
321	JORDAN	12653	H	27500
322	AL MUSTAKILLA	12653	H	27500
323	ARRABIA	12673	V	27500
324	TVM INTER	12673	V	27500
325	TERRA NOVA	12692	H	27500
326	DAN JAYA TV	12692	H	27500
327	DAN CEYLON TV	12692	H	27500
328	TISHK TV	12692	H	27500
329	eurotic TV	10851	H	27500
330	eurotic TV 2	10851	H	27500
331	TOP SEXY TV	11011	H	27500
332	GALAXY EROTIC	11011	H	27500
333	VIC 01	11011	H	27500
334	Diva Futura	11177	H	27500
335	VENETO FREE C	11197	V	27500
336	ALL SEX	11197	V	27500
337	PEOPLE TV-RET	11197	V	27500
338	ROMA SAT	11197	V	27500
339	Sixty-Nine	11197	V	27500
340	Videosexy TV	11621	V	27500
341	PLEASURE TV	12302	V	27500
342	Sexy Sat 2	12245	H	27500
343	SEXY SAT 3	11621	V	27500
344	ITALIASAT/MCT	12091	H	27500
345	Sensuality	12110	V	27500
346	Full X4 Free	12577	H	27500

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347	RAI 1	11565	V	22000
348	RTPI	11565	V	22000
349	ZIK/XXL	12285	V	27500
350	Bibel TV	10830	H	22000
351	TV TRWAM	10830	H	22000
352	T.TV	10830	H	22000
353	SportsWin.TV	10830	H	22000
354	Ocko TV	10830	H	22000
355	24.CZ	10830	H	22000
356	Top TV	10830	H	22000
357	RTBF SAT	10830	H	22000
358	TV Polonia	10859	H	22000
359	TVP Kultura	10859	H	22000
360	EHS	10977	V	22000
361	TV CANARIA	10977	V	22000
362	DEMAIN!	11506	V	22000
363	TELIF	11506	V	22000
364	REAL MADRID T	11506	V	22000
365	CUBAVISION	11506	V	22000
366	REDERECORD	11506	V	22000
367	ARIRANG TV	11506	V	22000

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#	Name	Freq	Pol	SR
368	ARTE	11565	V	22000
369	BFM TV	11506	V	22000
370	DIRECT 8	11536	V	22000
371	LCP	12285	V	27500
372	CANAL ALGERIE	11565	V	22000
373	TV5MONDE	11565	V	22000
374	Al Masriya	11565	V	22000
375	TV7	11565	V	22000
376	Al Jazeera	11565	V	22000
377	Al Jazeera In	11506	V	22000
378	TVEi	11565	V	22000
379	2M Maroc	11565	V	22000
380	RTM Maroc	11595	V	22000
381	TRT Internati	11595	V	22000
382	DW TV	11595	V	22000
383	CNBC Europe	11595	V	22000
384	BBC World	11595	V	22000
385	TV5Europe	11595	V	22000
386	Sky News	11595	V	22000
387	CT 24	11668	H	22000
388	Magyar ATV	11668	H	22000
389	DunaTV	11668	H	22000
390	M2	11668	H	22000
391	TVC INT.	11683	V	22000
392	ANDALUCÍA TV	11683	V	22000
393	EUSKADI TV	11683	V	22000
394	TM SAT/LAOTRA	11683	V	22000
395	TV GALICIA	11683	V	22000
396	MTV Germany	11739	V	27500
397	TRAVEL	11777	V	27500
398	CNN Int.	11777	V	27500
399	EURONEWS	11817	V	27500
400	Canal + (€)	11855	V	27500
401	Das Erste	11836	H	27500
402	Bayerisches F	11836	H	27500
403	hr-fernsehen	11836	H	27500
404	Arte Deutsch	11836	H	27500
405	WDR Köln	11836	H	27500
406	BR-alpha	11836	H	27500
407	SÜDWEST Ferns	11836	H	27500
408	Phoenix	11836	H	27500
409	KTO	11895	V	27500
410	3sat	11953	H	27500
411	KiKa	11953	H	27500
412	ZDF	11953	H	27500
413	ZDFinfokanal	11953	H	27500
414	ZDFdokukanal	11953	H	27500
415	ZDFtheaterkan	11953	H	27500
416	VIVA	11973	V	27500
417	VIVA PLUS	11973	V	27500
418	NICK	11973	V	27500
419	PREMIERE DIRE	12031	H	27500
420	PREMIERE WIN	12031	H	27500
421	ProSieben	12480	V	27500
422	ProSieben Sch	12051	V	27500
423	ProSieben Aus	12051	V	27500
424	Kabel 1 Schwe	12051	V	27500
425	Kabel 1 Austr	12051	V	27500
426	SAT.1 A	12051	V	27500
427	EinsExtra	12109	H	27500
428	EinsFestival	12109	H	27500
429	EinsPlus	12109	H	27500

#	Name	Freq	Pol	SR
430	MDR FERNSEHEN	12109	H	27500
431	rbb Brandenbu	12109	H	27500
432	rbb Berlin	12109	H	27500
433	ARD-TEST-2	12109	H	27500
434	NDR FS MV	12109	H	27500
435	NDR FS HH	12109	H	27500
436	NDR FS NDS	12109	H	27500
437	NDR FS SH	12109	H	27500
438	MDR SACHSEN	12109	H	27500
439	MDR S-ANHALT	12109	H	27500
440	MDR THÜRINGEN	12109	H	27500
441	SÜDWEST Ferns	12109	H	27500
442	SAT.1-CH	12148	H	27500
443	Q TV SHOP	12148	H	27500
444	RNFplus	12148	H	27500
445	TV TRAVEL SHO	12148	H	27500
446	GOD Channel	12148	H	27500
447	Franken SAT	12148	H	27500
448	RTL Televisio	12187	H	27500
449	RTL2	12187	H	27500
450	Super RTL	12187	H	27500
451	VOX	12187	H	27500
452	RTL Shop	12187	H	27500
453	n-tv	12187	H	27500
454	Traumpartner	12187	H	27500
455	NICK	12226	H	27500
456	RTL Austria	12226	H	27500
457	VOX Austria	12226	H	27500
458	RTL2 Austria	12226	H	27500
459	Super RTL A	12226	H	27500
460	Eurosport	12226	H	27500
461	HSE24 Digital	12226	H	27500
462	Radio Bremen	12265	H	27500
463	SR SÜDWEST Fe	12265	H	27500
464	TERRA NOVA	12285	V	27500
465	BEST OF SHOPP	12324	V	27500
466	WDR Aachen	12421	H	27500
467	WDR Bielefeld	12421	H	27500
468	WDR Dortmund	12421	H	27500
469	WDR Düsseldor	12421	H	27500
470	WDR Essen	12421	H	27500
471	WDR Münster	12421	H	27500
472	WDR Siegen	12421	H	27500
473	WDR Wuppertal	12421	H	27500
474	NDR FS HH+	12421	H	27500
475	NDR FS MV+	12421	H	27500
476	NDR FS SH+	12421	H	27500
477	ARD MHP-Test	12421	H	27500
478	ProMarkt.TV	12460	H	27500
479	HMM-TV.de Sat	12460	H	27500
480	tv.gusto	12460	H	27500
481	1-2-3.tv	12460	H	27500
482	DELUXE MUSIC	12460	H	27500
483	lastminute.TV	12460	H	27500
484	JobTV24	12460	H	27500
485	imusic TV	12460	H	27500
486	GIGA	12460	H	27500
487	MEGA\VISION	12460	H	27500
488	DAS VIERTE	12460	H	27500
489	JAMBA! TV	12460	H	27500
490	Sonnenklar TV	12480	V	27500
491	HSE24	12480	V	27500

#	Name	Freq	Pol	SR
492	SAT.1	12480	V	27500
493	N24	12480	V	27500
494	TELE 5	12480	V	27500
495	AstroTV	12480	V	27500
496	9Live	12480	V	27500
497	KABEL1	12480	V	27500
498	DSF	12480	V	27500
499	QVC Deutschla	12551	V	22000
500	LibertyTV FR	12551	V	22000
501	Raceworld	12551	V	22000
502	M6 Boutique	12551	V	22000
503	L1MBURG TV	12551	V	22000
504	Bloomberg TV	12551	V	22000
505	Chamber TV	12551	V	22000
506	BVN	12574	H	22000
507	Bahn TV	12633	H	22000
508	K-TV	12633	H	22000
509	XXP	12633	H	22000
510	rhein main tv	12633	H	22000
511	K1010	12633	H	22000
512	Bestseller TV	12633	H	22000
513	Entertainment	12633	H	22000
514	TW1	12662	H	22000
515	GoTV	12662	H	22000
516	easy.TV Info	12662	H	22000
517	TechniSat Kan	12669	V	22000
518	HITRADIO OE3	12692	H	22000
519	ORF2E	12692	H	22000
520	eUrotic TV	10830	H	22000
521	SexySat	12633	H	22000
522	Amore-TV	12460	H	27500
523	6live.tv	12460	H	27500
524	freistoss TV	12460	H	27500
525	tele6.tv	12460	H	27500
526	! LifeStyle-T	12633	H	22000
527	bietbox	12633	H	22000
Atlantic Bird 3 ----------				
528	France 2	11590	V	20000
529	France 3	11590	V	20000
530	France 5	11590	V	20000
531	ARTE	11590	V	20000
532	LCP	11590	V	20000
533	France 4	11590	V	20000
534	GCPE1	12542	H	27500
535	GCPE2	12542	H	27500
Eutelsat W2 ----------				
536	TELEMARKET	10960	H	3146
537	TTVI	11009	V	27500
538	7 dni	11009	V	27500
539	Estate TV	11009	V	27500
540	Hot TV	11009	V	27500
541	7 GOLD	11023	H	2894
542	National TV	11044	H	10555
543	National 24	11044	H	10555
544	Favorit TV	11044	H	10555
545	My Music	11089	V	32000
546	Antena 1	11128	V	12222
547	Antena 2	11128	V	12222

#	Name	Freq	Pol	SR
548	Antena 3	11128	V	12222
549	Antena 4	11128	V	12222
550	KURDISTAN TV	11182	H	2667
551	M2	11301	V	30000
552	Kanal 3	11301	V	30000
553	Zdrave	11301	V	30000
554	Hit TV	11301	V	30000
555	TVR1	11469	V	29950
556	TVR2	11469	V	29950
557	TVRi	11469	V	29950
558	Balkanika	11594	V	28800
559	Evropa TV	11594	V	28800
560	Kanal 8	11594	V	28800
561	eTV	11594	V	28800
562	FANTV	11594	V	28800
563	CHANNEL-I	11679	V	3061
564	TVSH-SAT	12656	V	4883
565	TV7	12682	H	2894
Eutelsat W3 ----------				
566	M6 Suisse	11281	V	27500
567	TV Polonia	11174	V	27500
568	TV5 Orient	11281	V	27500
569	TVP Kultura	11174	V	27500
570	MARE TV	11305	H	27500
571	TAXI channel	11305	H	27500
572	ITALY & ITALY	11305	H	27500
573	Toscana Chann	11305	H	27500
574	Noello Sat	11305	H	27500
575	TV7 LOMBARDIA	11305	H	27500
576	M-Three video	11305	H	27500
577	ARCOIRIS TV	11305	H	27500
578	Tiziana Sat	11305	H	27500
579	50 Canale	11305	H	27500
580	Jolly sat	11305	H	27500
581	Telelombardia	11305	H	27500
582	Cinque Stelle	11305	H	27500
583	Venice Channe	11305	H	27500
584	TeleTirreno	11305	H	27500
585	TRT1	11490	V	30000
586	TRT2 / TRT3	11490	V	30000
587	TJK TV	11594	H	30000
588	TV Chile	11614	V	30000
589	SHOWROOM	11635	H	30000
590	SKYTURK	11677	H	30000
A**stra 28** ----------				
591	BBC 1 London	10771	H	22000
592	BBC 2 England	10771	H	22000
593	BBC NEWS 24	10771	H	22000
594	BBC TES 3	10771	H	22000
595	CBBC Channel	10771	H	22000
596	CBeebies	10771	H	22000
597	ETV	10771	H	22000
598	BBC 1 NI	10771	H	22000
599	BBC THREE	10771	H	22000
600	BBC TES Test	10771	H	22000
601	BBC TES 2	10771	H	22000
602	BBC FOUR	10771	H	22000
603	BBC 1 W Mids	10786	V	22000

CHANNELS GUIDE

#	Name	Freq	Pol	SR
604	BBC 1 N West	10786	V	22000
605	BBC 1 Yrks&Li	10786	V	22000
606	BBC 1 Yorks	10786	V	22000
607	BBC 1 E Mids	10786	V	22000
608	BBC 1 East (E	10786	V	22000
609	ITV1 London	10756	V	22000
610	ITV2	10756	V	22000
611	CITV	10756	V	22000
612	ITV1 Granada	10756	V	22000
613	ITV1 Anglia E	10756	V	22000
614	ITV1 Central	10756	V	22000
615	ITV4	10756	V	22000
616	ETV5	10786	V	22000
617	ETV2	10800	H	22000
618	BBC 1 Wales	10800	H	22000
619	BBC 2W	10800	H	22000
620	BBC 1 Scotlan	10800	H	22000
621	BBC 2 Scotlan	10800	H	22000
622	BBC 2 NI	10800	H	22000
623	BBC 1 West	10815	V	22000
624	BBC 1 S East	10815	V	22000
625	BBC 1 South	10815	V	22000
626	BBC 1 S West	10815	V	22000
627	BBC 1 NE & C	10815	V	22000
628	BBC 1 Oxford	10815	V	22000
629	ETV6	10815	V	22000
630	ITV1 Central	10830	H	22000
631	ITV1 Central	10830	H	22000
632	ITV1 Wales	10830	H	22000
633	ITV1 West	10830	H	22000
634	ITV1 W Countr	10830	H	22000
635	ITV1 Border	10830	H	22000
636	G49	10830	H	22000
637	BBC 1 East (W	10845	V	22000
638	BBC 1 CI	10845	V	22000
639	ITV1 BorderSc	10889	H	22000
640	ITV1 Meridian	10889	H	22000
641	ITV1 Meridian	10889	H	22000
642	ITV1 Mer SE	10889	H	22000
643	ITV1 Mer N	10889	H	22000
644	ttg53	10889	H	22000
645	ITV1 Yorks W	10889	H	22000
646	ITV1 Yorks E	10889	H	22000
647	G53	10889	H	22000
648	BBC PARL'MNT	11953	H	27500
649	Zee Music	11972	V	27500
650	Babeworld	11972	V	27500
651	Ideal World	12031	H	27500
652	QVC	12031	H	27500
653	Q_I	12031	H	27500
654	Q_I dir	12031	H	27500
655	QVC Barker	12031	H	27500
656	QVC TSVNOW	12031	H	27500
657	bid tv	12031	H	27500
658	speedauctiont	12031	H	27500
659	price-drop tv	12031	H	27500
660	CNN	12050	V	27500
661	Travel Channe	12050	V	27500
662	Thomson TV	12050	V	27500
663	S4C~ Digidol	12128	V	27500
664	B4U Music	12128	V	27500
665	Vitality	12128	V	27500
666	Create & Craf	12128	V	27500
667	iBuy TV	12128	V	27500
668	TTV2	12128	V	27500
669	Sky News	12206	V	27500
670	Sky News (UK)	12206	V	27500
671	Sky News Eire	12206	V	27500
672	CommunityChnl	12226	H	27500
673	4301	12382	H	27500
674	Reality TV.	12401	V	27500
675	TV SHOP	12401	V	27500
676	Shop Vector+	12401	V	27500
677	Gems.tv	12401	V	27500
678	Record TV	12401	V	27500
679	TVW Select	12401	V	27500
680	TV Warehouse	12401	V	27500
681	Vector 24/7	12401	V	27500
682	eeZee tv	12401	V	27500
683	Babestation	12401	V	27500
684	Price Crash	12401	V	27500
685	Life TV	12401	V	27500
686	Teachers' TV	12421	H	27500
687	Men & Motors	12421	H	27500
688	ITVi Stream	12421	H	27500
689	Teletext Holi	12421	H	27500
690	Extreme Sport	11678	V	27500
691	EuroNews	11678	V	27500
692	GOD Channel	11678	V	27500
693	GOD REVIVAL	11678	V	27500
694	AJI	11678	V	27500
695	TBN Europe	11678	V	27500
696	HollywoodTV	11678	V	27500
697	GOD UK	11678	V	27500
698	revelation	11678	V	27500
699	ACTIONMAX	11221	V	27500
700	Legal TV	11221	V	27500
701	Pitch TV Plus	11221	V	27500
702	DoveVision TV	11221	V	27500
703	Classic FM TV	11221	V	27500
704	Pitch TV	11221	V	27500
705	UCB TV	11220	H	27500
706	Reality Extra	11220	H	27500
707	YouPlay TV	11220	H	27500
708	Golf Pro-Shop	11220	H	27500
709	Get Lucky TV	11220	H	27500
710	Wonderful	11220	H	27500
711	Musicians Chn	11220	H	27500
712	Chat Box	11220	H	27500
713	CelebrityShop	11220	H	27500
714	You TV 2	11257	V	27500
715	Passion TV	11257	V	27500
716	TWC	11257	V	27500
717	Star Bazaar T	11257	V	27500
718	Quiz TV	11257	V	27500
719	Gospel Channe	11257	V	27500
720	GDTV	11257	V	27500
721	Open Access	11257	V	27500
722	Audi Channel	11257	V	27500
723	Turn on TV	11257	V	27500
724	Reality TV +1	11262	H	22000
725	Fizz	11262	H	22000
726	Max TV	11262	H	22000
727	HorrorChannel	11262	H	22000

#	Name	Freq	Pol	SR
728	Gay Network	11262	H	22000
729	Life2	11262	H	22000
730	Lucky Star	11262	H	22000
731	DM Digital	11262	H	22000
732	We Deliver TV	11305	H	27500
733	OneTV	11305	H	27500
734	propeller	11305	H	27500
735	ChoicesUK TV	11305	H	27500
736	Apna Bazaar	11305	H	27500
737	Aastha TV	11305	V	27500
738	Simply Shop.	11305	V	27500
739	Quiz Nation	11305	V	27500
740	Jewellery Ch.	11305	V	27500
741	Shop Vector	11305	V	27500
742	Simply Ideas	11305	V	27500
743	B4	11341	V	27500
744	True Movies	11341	V	27500
745	True Movies 2	11341	V	27500
746	GEO UK	11341	V	27500
747	Wine TV	11341	V	27500
748	LOVEWORLD TV	11341	V	27500
749	BIG GAME TV!	11341	V	27500
750	ARY Oneworld	11341	V	27500
751	ARY QTV	11341	V	27500
752	LifeShowcase	11342	H	27500
753	Rapture TV	11342	H	27500
754	2ShopTV	11342	H	27500
755	Bangla TV	11342	H	27500
756	Raj TV	11342	H	27500
757	53240	11342	H	27500
758	Real Estate T	11342	H	27500
759	treasures.tv	11342	H	27500
760	Price Crash 2	11342	H	27500
761	Broadband UK	11342	H	27500
762	DM Gold	11342	H	27500
763	MATV National	11386	H	27500
764	Performance	11386	H	27500
765	channel U	11386	H	27500
766	Gems.tv 2	11386	H	27500
767	Bonanza	11386	H	27500
768	Golf Channel	11386	H	27500
769	Travel Ch +1	11386	H	27500
770	PokerZone	11386	H	27500
771	Sport Nation	11386	H	27500
772	Best Direct	11388	V	27500
773	BestDirect+	11388	V	27500
774	Playboy One	11388	V	27500
775	POP	11424	V	27500
776	Chart Show TV	11424	V	27500
777	The Vault	11424	V	27500
778	Channel ‘S’	11424	V	27500
779	OBE	11424	V	27500
780	Tiny Pop	11424	V	27500
781	Venus TV	11424	V	27500
782	Eat Cinema	11424	V	27500
783	Thomas Cook	11525	V	27500
784	ATN Bangla	11525	V	27500
785	Al Jazeera	11525	V	27500
786	Thane Direct	11544	H	27500
787	AVAGO	11544	H	27500
788	AVAGO (Cable)	11544	H	27500
789	Stop + Shop	11544	H	27500

#	Name	Freq	Pol	SR
790	VHR	11544	H	27500
791	cso	11544	H	27500
792	Channel 854	11544	H	27500
793	Deal TV	11582	H	27500
794	Jackpot TV	11582	H	27500
795	Racing World	11621	H	27500
796	Abu Dhabi TV	11621	H	27500
797	PCNE Chinese	11621	H	27500
798	Fashion TV	11621	H	27500
799	Channel M	11640	V	27500
800	Cyprus Direct	11640	V	27500
801	ARY The Musik	11640	V	27500
802	mta-muslim tv	11659	H	27500
803	CCTV-9	11659	H	27500
804	Inspiration	11659	H	27500
805	DAYSTAR	12523	H	27500
806	BEN	12523	H	27500
807	Islam Channel	12523	H	27500
808	Information T	12523	H	27500
809	EWTN	12523	H	27500
810	Baby Channel	12523	H	27500
811	r music tv	12523	H	27500
812	Movies4Men	12523	H	27500
813	Quiz Call	12479	V	27500
814	BLs	11933	V	27500
815	HDD1	11602	V	27500
816	HDD2	11602	V	27500
817	Carling Dal	11563	V	27500
818	CARL	11563	V	27500
819	ARME	11563	V	27500
820	RBSD	11563	V	27500
821	WML2	12011	V	27500
822	WIMD4	12011	V	27500
823	Sky Vegas & R	12011	V	27500
824	WML3	12011	V	27500
825	CHL2	12011	V	27500
826	FRDS	12011	V	27500
827	CHL1	12011	V	27500
828	Sky Active	12460	H	27500
829	ENTV	12460	H	27500
830	TLM Portal Te	12460	H	27500
831	Sky Gamestar	12460	H	27500
832	VGM8	12245	V	27500
833	POTN	12245	V	27500
834	FDRE	12245	V	27500
835	iPlay	11424	V	27500
836	Venus TV	11424	V	27500
837	50181	11305	V	27500
838	DTPCad4t	11305	V	27500
839	DTPCad3t	11305	V	27500
840	Shop on TV	11544	H	27500
841	Stop + Shop	11544	H	27500
842	VHR	11544	H	27500
843	AvaTest	11544	H	27500
844	cso T	11544	H	27500
845	GayDateTV	11525	V	27500
846	NHS V1	11525	V	27500
847	NHS V2	11525	V	27500
848	NHS V1t	11525	V	27500
849	NHS V2t	11525	V	27500
850	NHS t3	11525	V	27500
851	Majestic TV	11386	H	27500

#	Name	Freq	Pol	SR
852	Pitch TV Plus	11221	V	27500
853	Pitch TV	11221	V	27500
854	PCNE Chinese	11621	H	27500
855	ITV Channel I	10904	V	22000
856	Grampian TV	10904	V	22000
857	Scottish TV W	10904	V	22000
858	Scottish TV E	10904	V	22000
859	UTV	10904	V	22000
860	ITV3	10904	V	22000
861	G54	10904	V	22000
Sirius 2 ----------				
862	NOVY KANAL	11766	H	27500
863	TET	11766	H	27500
864	GLAS	11766	H	27500
865	RADA	11766	H	27500
866	Channel 5 (Uk	11766	H	27500
867	ENTER-FILM	12073	H	27500
868	INTER+	12073	H	27500
869	ENTER	12073	H	27500
870	Global 1	12111	H	27500
871	Max Info	12149	H	27500
872	TVCI	12264	H	27500
873	ProTv Intl	12449	H	12130
874	bTV	12465	H	10789
875	TTVI	12465	H	10789
876	eUrotic ASTRA	12465	H	10789
877	VTK	12465	H	10789
878	Kanal 10	12676	H	2242
Hispasat ----------				
879	Andalucía TV	11810	V	27500
880	TMSat/La Otra	11810	V	27500
881	TVC Int.	11810	V	27500
882	TV Galicia	11810	V	27500
883	TV Euskadi	11810	V	27500
884	MAX LOCAL	11930	H	27500
885	SENADO	11930	H	27500
886	REDERECORD	11930	H	27500
887	FEEDS TSA	11930	H	27500
888	CIBERNOS	11930	H	27500
889	TV5	11930	V	27500
890	Publiactiva	11930	V	27500
891	Popular TV	11971	V	27500
892	Cadena Milagr	11971	V	27500
893	Canal Program	12011	V	27500
894	RMTV	12091	V	27500
895	EURONEWS	12091	V	27500
896	CNBC	12091	V	27500
897	TVE INT.	12091	V	27500
898	TODOS.ES	12091	V	27500
899	TBN ENLACE	12091	V	27500
900	CUBAVISION	12091	V	27500
901	OCASIONAL	12091	V	27500
902	CANAL TURISMO	12091	V	27500
903	AL JAZEERA IN	12091	V	27500
904	Ecuavisa Intl	12099	H	3000
905	Canal Parlame	12148	V	27500
906	TV AMISTAD	12148	V	27500
907	TVV Int.	12225	V	27500

#	Name	Freq	Pol	SR
908	EHS	12455	V	27500
909	TV Canaria	12455	V	27500
910	XARXA TVL	11730	H	28126
Turksat ----------				
911	TRT 1	11094	V	27500
912	TRT 2	11094	V	27500
913	TRT INT	11094	V	27500
914	TRT 3	11094	V	27500
915	TRT 4	11094	V	27500
916	BRTK KKTC	10966	V	4557
917	FLASH TV	11127	V	4268
918	KANAL7 INT	11133	V	4444
919	tvt	11133	V	4444
920	SES TV	11710	V	2963
921	HILAL TV	11714	V	2222
922	CAY TV	11743	V	2222
923	CEM TV	11758	V	2962
924	SU TV	11762	V	2155
925	KaradenizTV	11766	V	2222
926	DUZGUN TV	11769	V	2177
927	Dost TV	11773	V	2420
928	TGRT EU	11779	V	6250
929	TurkShow	11779	V	6250
930	Manolya TV	11779	V	6250
931	CNN TURK	11804	V	24444
932	DREAM TV	11804	V	24444
933	EURO D	11804	V	24444
934	BJK TV	11804	V	24444
935	FB TV	11804	V	24444
936	EURO STAR	11804	V	24444
937	FIX TV	11804	V	24444
938	MMC Euroturk	11804	V	24444
939	DREAM TURK	11804	V	24444
940	MAX TV	11804	V	24444
941	POWERTURK TV	11804	V	24444
942	TV8	11830	V	6666
943	TURKMENELI TV	11839	V	4444
944	TV5	11846	V	3333
945	Smart	11852	V	4444
946	MaviAkdeniz	11852	V	4444
947	S TEST	11852	V	4444
948	Tatlises TV	11857	V	2400
949	KANAL B	11867	V	4444
950	Meltem TV	11873	V	3400
951	mesaj tv	11877	V	2600
952	KANAL AVRUPA	11882	V	2965
953	Expo Channel	11887	V	3333
954	KONTV	11973	V	2240
955	TurkShow	11996	V	26000
956	DugunTV	11996	V	26000
957	TurkShop	11996	V	26000
958	KanalC	11996	V	26000
959	TurkDugun	11996	V	26000
960	TShop	11996	V	26000
961	Mavi Karadeni	11996	V	26000
962	KARE	11996	V	26000
963	ORDU TV	11996	V	26000
964	Ask TV	11996	V	26000
965	Box TV	11996	V	26000
966	May TV	11996	V	26000

#	Name	Freq - Pol - SR
967	Babe TV	12506 V 2222
968	Private TV	12506 V 2222
969	Gunizi TV	12506 V 2222
970	SKYTURK	12524 H 4250
971	SHOW TURK	12530 H 4444
972	EUROTURK.	12540 H 3125
973	LIFE CHANNEL	12590 V 3003
974	GEORGIAN TV	12605 V 2962
975	IMEDI TV	12609 V 3700
976	God	12620 V 6161
977	GOD UK	12620 V 6161
978	CANLI SHOBET	12620 V 6161
979	CEP MELODI-SM	12620 V 6161
980	ARKADAS TV	12620 V 6161
981	atv	12633 V 4800
982	FEED	12633 V 4800
983	TURK C	12637 V 2300
984	KRAL TV	12651 H 22500
985	EMLAK TV	12651 H 22500
986	DIZI TV	12651 H 22500
987	D MAX	12651 H 22500
988	D PLUS	12651 H 22500
989	D YESiLCAM	12651 H 22500
990	HABERTURK	12651 H 22500
991	Teknoloji TV	12664 V 2344
992	Cine5	12680 H 8888
993	Halay TV	12680 H 8888
994	Viva	12680 H 8888
995	Gala	12680 H 8888
996	Supersport	12680 H 8888
997	KANAL6	12688 H 2400
998	EGE TV	12699 H 2400
999	ULUSAL TV	12702 H 2285
1000	NTV Int	12715 V 2965
1001	OLAY TV & FM	12719 V 2950
1002	EAS_PROMO	12731 V 3333

#	Name	Freq - Pol - SR

#	Name	Freq	Pol	SR
Hot Bird ----------				
1003	SUD RADIO	10755	V	27500
1004	France Vivace	10755	V	27500
1005	France Bleu I	10755	V	27500
1006	BANDIAGARA OU	10755	V	27500
1007	RADIO FG	10794	V	27500
1008	France Inter	10794	V	27500
1009	France Info	10794	V	27500
1010	EUROPE 1	10870	V	27500
1011	EUROPE 2	10870	V	27500
1012	RFM	10870	V	27500
1013	RTL	10870	V	27500
1014	RADIO CLASSIQ	10870	V	27500
1015	ALOUETTE	10870	V	27500
1016	HIT WEST	10870	V	27500
1017	RFI	10909	V	27500
1018	RADIO COURTOI	10909	V	27500
1019	France Musiqu	10909	V	27500
1020	FIP	10909	V	27500
1021	France Cultur	10909	V	27500
1022	Le Mouv'	10909	V	27500
Astra ----------				
1023	RADIO INT 2	12207	V	27500
1024	RF	12207	V	27500
1025	FRANCE MUSIQU	12207	V	27500
1026	FIP	12207	V	27500
1027	France INFO	12207	V	27500
1028	France INTER	12207	V	27500
1029	FRANCE BLEU I	12207	V	27500
1030	RFI INT	12207	V	27500
1031	RADIO CLASSIQ	12207	V	27500
1032	EUROPE 1	12207	V	27500
1033	RMC	12207	V	27500
1034	RTL	12207	V	27500
1035	RIRE ET CHANS	12207	V	27500
1036	SUD RADIO	12207	V	27500
1037	M FM	12207	V	27500
1038	TSF	12207	V	27500
1039	NOSTALGIE	12207	V	27500
1040	BFM	12207	V	27500
1041	FREQUENCE JAZ	12207	V	27500
1042	NRJ	12207	V	27500
1043	EUROPE 2	12207	V	27500
1044	RTL 2	12207	V	27500
1045	SKYROCK	12207	V	27500
1046	FUN RADIO	12207	V	27500
1047	LE MOUV	12207	V	27500
1048	RADIO NOVA	12207	V	27500
1049	RADIO FG	12207	V	27500
1050	VIBRATION	12207	V	27500
1051	CONTACT FM	12207	V	27500
1052	RADIO LATINA	12207	V	27500
1053	RFM	12207	V	27500
1054	CHERIE FM	12207	V	27500
1055	ALOUETTE	12207	V	27500
1056	VOLTAGE	12207	V	27500
1057	OUI FM	12207	V	27500
1058	ADO	12207	V	27500
1059	COULEUR 3	12207	V	27500

#	Name	Freq	Pol	SR
1060	Radio Ch	12207	V	27500
1061	RADIO NOTRE-D	12207	V	27500
1062	RADIO ALPHA	12207	V	27500
1063	RCJ / SHALOM	12207	V	27500
1064	BEUR FM	12207	V	27500
1065	BBC ARABIC	12207	V	27500
1066	RFI Multiling	12207	V	27500
1067	MEDI 1	12207	V	27500
1068	France CULTUR	12207	V	27500
1069	WRN	12207	V	27500
1070	BBCW SERVICE	12207	V	27500
1071	Radio Ch	12207	V	27500
1072	CNN Radio	11777	V	27500
1073	France Bleu M	12542	H	27500

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